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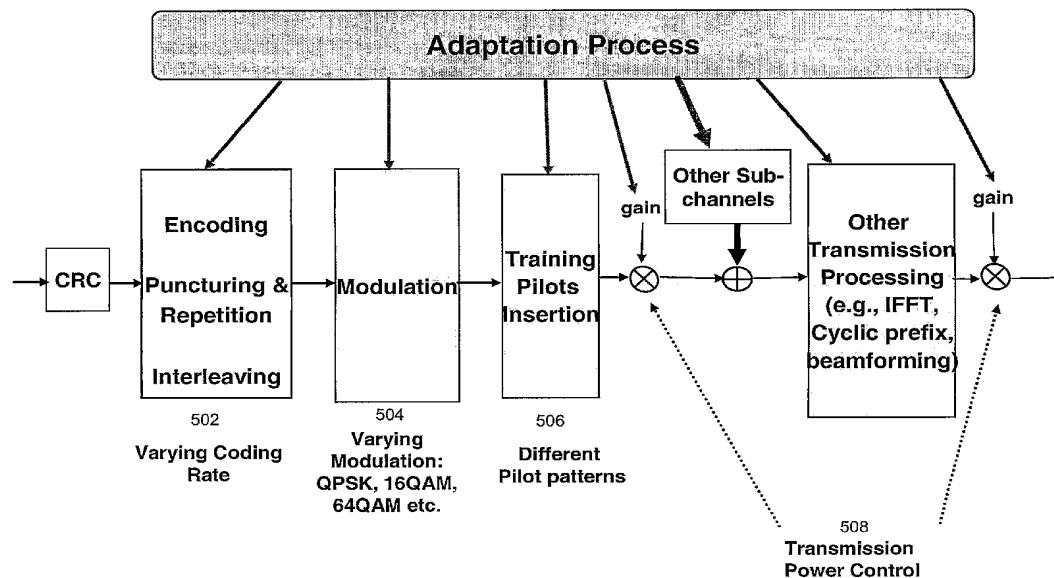
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(54) Title: METHODS AND APPARATUS FOR MULTI-CARRIER COMMUNICATION SYSTEMS WITH ADAPTIVE TRANSMISSION AND FEEDBACK



(57) Abstract: An arrangement is disclosed where in a multi-carrier communication system (Figure 1), the modulation scheme (Fig. 5, 504), coding attributes (Fig. 5, 502), training pilots (Fig. 5, 506), and signal power (Fig. 508) may be adjusted to adapt to channel conditions in order to maximize the overall system capacity and spectral efficiency without wasting radio resources or compromising error probability performance.

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